

Agency for Healthcare Research and Quality (AHRQ)
Healthcare Cost and Utilization Project (HCUP)
AHRQ Prevention Quality Indicators
Maine

AHRQ Prevention Quality Indicators (PQIs)		2008								
		Maine		Total U.S.		P-value: State relative to Nation	Lowest State		Highest State	
		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
PQI 1	Admissions with diabetes with short-term complications per 100,000 population, age 18 and over	44.722	2.173	61.090	1.583	0.000	34.957	1.914	93.229	2.692
PQI 2	Admissions with perforated appendix per 1,000 admissions with appendicitis, age 18 and over	261.163	13.997	270.138	2.070	0.526	223.560	6.977	363.180	27.868
PQI 3	Admissions with diabetes with long-term complications per 100,000 population, age 18 and over	84.124	2.705	120.998	3.357	0.000	55.960	3.321	153.065	2.400
PQI 5	Admissions with chronic obstructive pulmonary disease (COPD) per 100,000 population, age 18 and over	228.023	4.296	228.580	5.903	0.939	70.760	2.228	484.079	5.278
PQI 7	Admissions with hypertension per 100,000 population, age 18 and over	21.465	1.352	58.616	2.439	0.000	8.941	1.322	90.392	1.904
PQI 8	Admissions for congestive heart failure (CHF) per 100,000 population, age 18 and over	295.408	4.815	369.659	9.073	0.000	163.907	3.393	622.895	4.985
PQI 9	Low birth weight infants per 1,000 newborns	54.779	1.973	60.766	1.167	0.009	31.404	2.123	75.081	0.936
PQI 10	Admissions for dehydration per 100,000 population, age 18 and over	72.047	2.464	104.496	2.710	0.000	46.844	0.980	178.246	2.647
PQI 11	Admissions for bacterial pneumonia per 100,000 population, age 18 and over	313.004	5.068	338.415	7.088	0.004	209.873	4.308	599.010	12.778
PQI 12	Admissions for urinary tract infection (UTI) per 100,000	138.855	3.424	195.226	5.125	0.000	89.961	2.902	295.717	3.472
PQI 13	Admissions for angina without cardiac procedure per 100,000 population, age 18 and over	32.366	1.644	23.407	0.935	0.000	8.972	0.517	46.409	1.021
PQI 14	Admissions for uncontrolled diabetes without complications per 100,000 population, age 18 and over	7.714	0.845	22.113	1.207	0.000	3.343	0.804	35.458	0.485
PQI 15	Admissions for asthma per 100,000 population, age 18 and over	72.764	2.604	125.168	4.260	0.000	41.413	1.610	180.576	1.392
PQI 15B (added)	Admissions for asthma per 100,000 population, age 65 and over	147.178	8.647	247.254	8.107	0.000	71.714	5.582	326.178	6.978
PQI 16	Lower extremity amputations among admissions for diabetes per 100,000 population, age 18 and over	25.552	1.444	33.332	0.974	0.000	15.293	1.923	44.636	1.129
PQI 17 (added)	Admissions for immunization-preventable pneumococcal pneumonia per 100,000 population, age 65 and over	92.868	6.768	69.316	2.266	0.001	29.009	0.965	176.075	15.212
PQI 18 (added)	Admissions for immunization-preventable influenza per 100,000 population, age 65 and over	139.988	8.256	93.212	3.981	0.000	23.663	3.595	306.653	20.997
PQI 90	AHRQ overall Prevention Quality Indicator (PQI) composite per 100,000 population, age 18 and over	1320.672	10.034	1662.043	37.528	0.000	825.985	7.327	2400.985	9.309
PQI 91	AHRQ acute Prevention Quality Indicator (PQI) composite per 100,000 population, age 18 and over	523.907	6.520	638.136	13.868	0.000	351.025	5.559	957.406	5.527
PQI 92	AHRQ chronic Prevention Quality Indicator (PQI) composite per 100,000 population, age 18 and over	796.765	7.967	1023.959	24.754	0.000	409.780	5.199	1468.585	7.413

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Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project, Nationwide Inpatient Sample and AHRQ Quality Indicators, modified version of 4.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different PQIs. For all but PQI 2 and PQI 9, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. For PQI 2 and PQI 9, rates are adjusted by age and gender using total U.S. inpatient discharges for 2000 as the standard population.

Agency for Healthcare Research and Quality (AHRQ)
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AHRQ Patient Safety Indicators
Maine

AHRQ Patient Safety Indicators (PSIs)		2008								
		Maine		Total U.S.		P-value: State relative to Nation	Lowest State		Highest State	
		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
PSI 2	Deaths per 1,000 hospital admissions with expected low-mortality, age 18 and over or obstetric admissions	0.433	0.109	0.461	0.008	0.201	0.197	0.046	1.248	0.063
PSI 3	Admissions with stage III or IV pressure ulcer per 1,000 medical and surgical admissions of length 5 or more days, age 18 and over	22.010	0.893	28.820	0.056	0.000	14.515	0.567	42.368	0.211
PSI 4	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, ages 18-89 or obstetric admissions	116.197	16.526	122.138	0.711	0.525	64.417	16.084	166.444	19.421
PSI 6	Admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, age 18 and over	1.442	0.104	1.324	0.007	0.000	0.990	0.193	2.203	0.066
PSI 7	Admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, age 18 and over or obstetric admissions	2.146	0.234	2.637	0.015	0.000	1.381	0.097	5.612	0.116
PSI 8	Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, age 18 and over	0.359	0.097	0.196	0.006	0.095	0.116	0.027	0.390	0.074
PSI 9	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical admissions, age 18 and over	2.917	0.286	2.761	0.018	0.023	1.819	0.318	3.713	0.131
PSI 10	Postoperative physiologic and metabolic derangements per 1,000 elective-surgery admissions, age 18 and over	*	*	1.612	0.017	*	0.804	0.211	2.644	0.105
PSI 11	Postoperative respiratory failure per 1,000 elective-surgery admissions, age 18 and over	8.360	0.732	9.456	0.042	0.175	5.491	1.226	12.076	0.492
PSI 12	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical admissions, age 18 and over	11.217	0.611	15.096	0.040	0.000	9.362	0.413	20.362	0.246
PSI 13	Postoperative sepsis per 1,000 elective-surgery admissions of length 4 or more days, age 18 and over	10.079	1.863	14.583	0.119	0.002	7.773	1.734	26.589	0.996
PSI 14	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, age 18 and over	2.777	0.566	2.367	0.039	0.911	1.795	0.329	3.722	0.623
PSI 15	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, age 18 and over	4.334	0.178	4.034	0.012	0.000	3.167	0.074	6.116	0.200
PSI 17	Birth trauma - injury to newborn per 1,000 live births	1.461	0.335	2.296	0.138	DNC	1.461	0.335	6.159	1.038

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PSI 18	Obstetric trauma per 1,000 instrument-assisted vaginal deliveries	153.137	14.421	146.595	2.984	0.657	106.363	9.554	217.395	10.505
PSI 19	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	30.780	1.911	23.692	0.352	0.000	15.204	1.748	36.841	1.567
PSI 21	Admissions for foreign body accidentally left in during procedure per 100,000 population, age 18 and over	*	*	1.342	0.067	*	0.543	0.095	1.992	0.368
PSI 22	Admissions for iatrogenic pneumothorax per 100,000 population, age 18 and over	7.461	0.791	8.082	0.331	0.469	5.226	1.186	10.162	0.469
PSI 23	Admissions for central venous catheter-related bloodstream infections per 100,000 population, age 18 and over	11.720	1.053	14.537	0.655	0.023	5.137	1.147	22.084	0.676
PSI 24	Admissions for reclosure of abdominal wound dehiscence per 100,000 population, age 18 and over	2.101	0.419	2.271	0.103	0.694	1.534	0.160	3.579	0.744
PSI 25	Admissions for accidental puncture or laceration during procedure per 100,000 population, age 18 and over	41.462	1.927	42.845	1.772	0.597	27.846	1.636	57.884	1.333
PSI 26	Admissions for transfusion reactions per 100,000 population, age 18 and over	*	*	0.062	0.019	*	0.062	0.016	0.253	0.074
PSI 27	Admissions for postoperative hemorrhage or hematoma per 100,000 population, age 18 and over	15.318	1.193	16.096	0.583	0.558	7.374	1.203	21.905	0.715

Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project, Nationwide Inpatient Sample and AHRQ Quality Indicators, modified version of 4.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different PSIs. For PSI 2 - PSI 4, PSI 6 - PSI 15, rates are adjusted by age, gender, age-gender interactions, comorbidities, and Diagnosis Related Group (DRG) clusters. For PSI 17, rates are not risk-adjusted. For PSI 18 - PSI 19, rates are adjusted by age. For PSI 2 and PSI 21 - PSI 27, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. The AHRQ PSI software was modified to not use the present on admission (POA) indicators (nor estimates of the likelihood of POA for secondary diagnosis).

* Data do not meet the criteria for statistical reliability, data quality, or confidentiality.

DNC - Data were not collected.

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AHRQ Inpatient Quality Indicators (IQIs)											
IQI 8	Deaths per 1,000 hospital admissions with esophageal resection for cancer, age 18 and over	*	*	55.955	2.864	*	38.392	10.558	106.855	29.923	
IQI 9	Deaths per 1,000 hospital admissions with pancreatic resection for cancer, age 18 and over	*	*	57.802	2.451	*	34.205	9.225	197.313	45.800	
IQI 11	Deaths per 1,000 hospital admissions with abdominal aortic aneurysm repair, age 18 and over	44.062	12.930	46.987	0.852	0.821	28.385	6.534	67.302	5.323	
IQI 12	Deaths per 1,000 hospital admissions with coronary artery bypass graft, age 40 and over	26.005	4.015	25.842	0.295	0.968	16.193	2.099	49.106	12.799	
IQI 13	Deaths per 1,000 hospital admissions with craniotomy, age 18 and over	48.402	10.824	53.561	0.530	0.634	31.299	3.322	86.565	11.279	
IQI 14	Deaths per 1,000 hospital admissions with a hip replacement procedure, age 18 and over	*	*	1.125	0.073	*	1.076	0.266	2.329	0.492	
IQI 15	Deaths per 1,000 hospital admissions with acute myocardial infarction (AMI), age 18 and over	60.091	3.483	58.822	0.283	0.717	45.554	1.371	86.269	7.449	
IQI 16	Deaths per 1,000 hospital admissions with congestive heart failure (CHF), age 18 and over	34.706	2.482	28.653	0.154	0.015	16.763	1.225	59.927	5.975	
IQI 17	Deaths per 1,000 hospital admissions with acute stroke, age 18 and over	120.478	5.609	90.074	0.326	0.000	55.994	2.457	134.690	13.113	
IQI 18	Deaths per 1,000 hospital admissions with gastrointestinal hemorrhage, age 18 and over	24.579	3.005	22.294	0.187	0.448	13.202	1.351	37.096	6.363	
IQI 19	Deaths per 1,000 hospital admissions with hip fracture, age 65 and over	42.779	4.118	27.312	0.286	0.000	14.074	1.921	48.795	6.868	
IQI 20	Deaths per 1,000 hospital admissions with pneumonia, age 18 and over	37.269	2.599	35.482	0.168	0.492	21.657	1.276	53.618	5.290	
IQI 21	Cesarean deliveries per 1,000 deliveries	272.407	4.133	292.681	1.805	0.000	197.502	1.872	380.353	2.275	
IQI 22	Vaginal birth after cesarean per 1,000 women with previous cesarean deliveries	68.365	6.581	91.735	2.523	0.001	39.980	2.888	279.545	11.041	
IQI 23	Laparoscopic cholecystectomies per 1,000 cholecystectomy procedures, age 18 and over	760.581	12.074	823.130	1.845	0.000	693.729	23.913	881.239	3.509	
IQI 24	Incidental appendectomies per 1,000 hospital admissions with abdominal or pelvic surgery, age 65 and over	6.764	1.756	11.338	0.385	0.011	5.446	1.414	22.943	6.370	
IQI 25	Bilateral cardiac catheterizations per 1,000 heart catheterizations for coronary artery disease, age 18 and over	37.480	2.606	17.440	0.482	0.000	4.648	0.526	46.612	3.121	
IQI 26	Coronary artery bypass grafts per 100,000 population, age 40 and over	158.523	4.712	186.230	11.110	0.022	81.352	4.580	304.873	3.327	
IQI 27	Percutaneous transluminal coronary angioplasties per 100,000 population, age 40 and over	411.604	7.562	530.581	30.326	0.000	246.354	6.230	780.374	9.091	
IQI 28	Hysterectomies per 100,000 female population, age 18 and over	384.456	8.633	383.325	12.777	0.941	215.444	9.418	916.758	27.934	
IQI 29	Laminectomies or spinal fusions per 100,000 population, age 18 and over	201.719	4.236	270.161	14.302	0.000	107.000	3.213	415.084	3.567	

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IQI 30	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty, age 40 and over	9.475	1.793	13.588	0.118	0.022	8.739	0.572	28.223	4.990
IQI 31	Deaths per 1,000 hospital admissions with carotid endarterectomy, age 18 and over	*	*	4.649	0.205	*	3.989	0.962	8.182	1.753
IQI 32	Deaths per 1,000 hospital admissions with acute myocardial infarction (AMI), age 18 and over	64.975	4.346	63.339	0.325	0.708	46.574	1.648	108.007	9.710
IQI 33	First-time cesarean deliveries (identified by no previous cesarean delivery diagnosis on the record) per 1,000 deliveries	175.906	3.813	180.473	1.516	0.266	100.117	1.533	233.904	2.217
IQI 34	Vaginal birth after cesarean per 1,000 women with previous cesarean deliveries	66.676	6.090	91.012	2.462	0.000	42.271	2.766	278.357	10.298

Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project, Nationwide Inpatient Sample and AHRQ Quality Indicators, modified version of 4.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different IQIs. For IQI 8 - IQI 9, IQI 11 - IQI 20 and IQI 30 - IQI 32, rates are adjusted by age, gender, age-gender interactions, Major Diagnostic Categories (MDC), and APR-DRG risk of mortality score. For IQI 21 - IQI 25 and IQI 33 - IQI 34, rates are adjusted by age and gender using total U.S. inpatient discharges for 2000 as the standard population. For IQI 26 - IQI 29, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. The AHRQ IQI software was modified to not use the present on admission (POA) indicators (nor estimates of the likelihood of POA for secondary diagnosis).

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AHRQ Pediatric Quality Indicators
Maine

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AHRQ Pediatric Quality Indicators (PDIs)											
PDI 01	Admissions with accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, age less than 18 years	2.017	0.273	0.778	0.016	0.000	0.428	0.110	2.017	0.273	
PDI 02	Admissions with stage III or IV pressure ulcer per 1,000 medical and surgical admissions of length 5 or more days, age less than 18 years	*	*	3.470	0.105	*	3.045	0.587	5.803	0.795	
PDI 05	Admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, age less than 18 years	*	*	0.219	0.008	*	0.150	0.038	0.575	0.160	
PDI 06	Deaths per 1,000 heart surgery admissions, age less than 18 years	*	*	48.954	1.366	*	26.653	7.413	102.671	15.240	
PDI 08	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical admissions, age less than 18 years	*	*	2.392	0.121	*	1.674	0.439	8.155	2.372	
PDI 09	Postoperative respiratory failure per 1,000 elective-surgery admissions, age less than 18 years	*	*	17.926	0.332	*	12.275	2.431	34.122	3.593	
PDI 10	Postoperative sepsis per 1,000 elective-surgery admissions of length 4 or more days, age less than 18 years	*	*	39.736	0.626	*	20.897	5.649	70.564	2.867	
PDI 11	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, age less than 18 years	*	*	1.060	0.129	*	5.472	1.427	5.472	1.427	
PDI 12	Admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, age less than 18 years	5.653	1.038	4.960	0.052	0.504	1.632	0.480	9.589	0.722	
PDI 14	Admissions for asthma per 100,000 population, ages 2-17	78.720	5.763	117.841	12.630	0.005	43.357	2.569	229.647	2.403	
PDI 15	Admissions with diabetes with short-term complications per 100,000 population, ages 6-17	18.882	3.125	26.482	2.724	0.067	15.178	4.098	61.986	8.719	
PDI 16	Admissions for pediatric gastroenteritis per 100,000 population, ages 3 months to 17 years	60.145	4.763	97.949	7.626	0.000	48.795	4.188	307.933	5.915	
PDI 17	Admissions with perforated appendix per 1,000 admissions with appendicitis, ages 1-17	304.473	25.604	290.641	5.177	0.596	205.722	9.947	433.719	19.500	
PDI 18	Admissions for urinary tract infection (UTI) per 100,000 population, ages 3 months to 17 years	26.430	3.151	40.590	3.099	0.001	11.309	2.947	88.712	4.813	
PDI 90	AHRQ overall Pediatric Quality Indicator (PDI) composite per 100,000 population, ages 6-17	116.555	7.915	170.409	15.117	0.002	77.824	9.374	332.399	7.634	
PDI 91	AHRQ acute Pediatric Quality Indicator (PDI) composite per 100,000 population, ages 6-17	48.830	5.096	61.447	4.181	0.056	27.187	5.493	156.414	5.381	

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PDI 92	AHRQ chronic Pediatric Quality Indicator (PQI) composite per 100,000 population, ages 6-17	67.725	6.061	108.962	11.762	0.002		50.638	7.600	187.648	15.299
NQI 01	Admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, neonates weighing 500 to 2500 grams	*	*	0.282	0.032	*		0.432	0.103	0.857	0.187
NQI 02	Deaths per 1,000 newborn admissions	2.218	0.430	2.353	0.022	0.755		1.510	0.367	3.126	0.166
NQI 03	Admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, newborns	*	*	55.343	0.699	*		15.175	3.618	92.637	10.988

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^a Adjustment varies across the different PDIs. For PDI 1, PDI 2, PDI 5 - PDI 6, PDI 8 - PDI 10, PDI 12, and NQI 2 - NQI 3, rates are adjusted by age, gender, Diagnostic Related Groups (DRG) and Major Diagnostic Categories (MDC) groups, and comorbidities. For PDI 11 and NQI 1, rate is adjusted by co-morbidity. For PDI 14 - PDI 16, PDI 18 and PDI 91 - PDI 92, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. For PDI 17, rates are adjusted by age and gender using total U.S. inpatient discharges for 2000 as the standard population.

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